

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/S23,729A  
Source: PCT  
Date Processed by STIC: 4-14-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

### Raw Sequence Listing Error Summary

### SUGGESTED CORRECTION

**SERIAL NUMBER:**

SERIAL NUMBER: 10/523,729A

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

- |    |  |  |
|----|--|--|
| 1  | _____ Wrapped Nucleic<br>Wrapped Aminos  | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."   |
| 2  | _____ Invalid Line Length                | The rules require that a line not exceed 72 characters in length. This includes white spaces.  |
| 3  | _____ Misaligned Amino<br>Numbering      | The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.  |
| 4  | _____ Non-ASCII                          | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.   |
| 5  | _____ Variable Length                    | Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.   |
| 6  | _____ PatentIn 2.0<br>"bug"              | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.  |
| 7  | _____ Skipped Sequences<br>(OLD RULES)   | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:<br>(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)<br>(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>This sequence is intentionally skipped<br><br>Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. |
| 8  | _____ Skipped Sequences<br>(NEW RULES)   | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.<br><210> sequence id number<br><400> sequence id number<br>000   |
| 9  | _____ Use of n's or Xaa's<br>(NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.<br>Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.<br>In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.   |
| 10 | _____ Invalid <213><br>Response          | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence  |
| 11 | _____ Use of <220>                       | Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.<br>(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)   |
| 12 | _____ PatentIn 2.0<br>"bug"              | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.  |
| 13 | _____ Misuse of n/Xaa                    | "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid   |



PCT

## RAW SEQUENCE LISTING

DATE: 04/14/2006

PATENT APPLICATION: US/10/523,729A

TIME: 10:25:12

Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

3 <110> APPLICANT: akzo nobel n.v.  
 5 <120> TITLE OF INVENTION: novel bacterial expression system  
 7 <130> FILE REFERENCE: 2002.012  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/523,729A  
 C--> 9 <141> CURRENT FILING DATE: 2005-02-04  
 9 <160> NUMBER OF SEQ ID NOS: 9  
 11 <170> SOFTWARE: PatentIn version 3.1  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 29  
 15 <212> TYPE: DNA  
 16 <213> ORGANISM: Bacillus subtilis  
 18 <400> SEQUENCE: 1  
 19 ttgtaaaggg acaagagctt tggataat  
 22 <210> SEQ ID NO: 2  
 23 <211> LENGTH: 94  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Bacillus subtilis  
 27 <400> SEQUENCE: 2  
 28 ttgtaaaggg acaagagctt tggataata taaaattgtg agtaatagaa ttattgctcc 60  
 30 ttgcccatta tgggccgctt agtccaaaag gagg 94  
 33 <210> SEQ ID NO: 3  
 34 <211> LENGTH: 113  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Bacillus subtilis  
 38 <400> SEQUENCE: 3  
 39 gatgcagttg taaagggaca agagctttgg tataatataa aattgtgagt aatagaatta 60  
 41 ttgctccttg ccattatgg gccgcttagt ccaaaaggag gtgcaaacag atg 113  
 44 <210> SEQ ID NO: 4  
 45 <211> LENGTH: 20  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Bacillus subtilis  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: misc\_feature  
 51 <222> LOCATION: (8)..(8)  
 52 <223> OTHER INFORMATION: N  
 55 <220> FEATURE:  
 56 <221> NAME/KEY: misc\_feature  
 57 <222> LOCATION: (13)..(14)  
 58 <223> OTHER INFORMATION: N  
 61 <220> FEATURE:  
 62 <221> NAME/KEY: misc\_feature  
 63 <222> LOCATION: (17)..(18)  
 64 <223> OTHER INFORMATION: N

Does Not Comply  
 Corrected Diskette Needed

(pg. 1-2) ↗

Invalid  
 Response

Same  
 error

PLS  
 explain  
 "N"  
 locations.

See item #9 on error summary  
 sheet, 4/14/2006

## RAW SEQUENCE LISTING

DATE: 04/14/2006

PATENT APPLICATION: US/10/523,729A

TIME: 10:25:12

Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

67 <220> FEATURE:  
 68 <221> NAME/KEY: misc\_feature  
 69 <222> LOCATION: (20)..(20)  
 70 <223> OTHER INFORMATION: N  
 73 <400> SEQUENCE: 4  
 W--> 74 atttaatatnta tannatnnan 20  
 77 <210> SEQ ID NO: 5  
 78 <211> LENGTH: 33  
 79 <212> TYPE: DNA  
 80 <213> ORGANISM: Bacillus subtilis  
 82 <220> FEATURE:  
 83 <221> NAME/KEY: misc\_feature  
 84 <222> LOCATION: (6)..(6)  
 85 <223> OTHER INFORMATION: N  
 88 <220> FEATURE:  
 89 <221> NAME/KEY: misc\_feature  
 90 <222> LOCATION: (21)..(21)  
 91 <223> OTHER INFORMATION: N  
 94 <220> FEATURE:  
 95 <221> NAME/KEY: misc\_feature  
 96 <222> LOCATION: (26)..(27)  
 97 <223> OTHER INFORMATION: N  
 100 <220> FEATURE:  
 101 <221> NAME/KEY: misc\_feature  
 102 <222> LOCATION: (30)..(31)  
 103 <223> OTHER INFORMATION: N  
 106 <220> FEATURE:  
 107 <221> NAME/KEY: misc\_feature  
 108 <222> LOCATION: (33)..(33)  
 109 <223> OTHER INFORMATION: N  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: misc\_feature  
 114 <222> LOCATION: (11)..(13)  
 115 <223> OTHER INFORMATION: N  
 118 <400> SEQUENCE: 5  
 W--> 119 ttatttnattt nnnatttaatt ntatannatn nan 33  
 122 <210> SEQ ID NO: 6  
 123 <211> LENGTH: 33  
 124 <212> TYPE: DNA  
 125 <213> ORGANISM: Bacillus subtilis  
 127 <400> SEQUENCE: 6  
 128 ttatttcattt ccgatttaatt gtataggatg cag 33  
 131 <210> SEQ ID NO: 7  
 132 <211> LENGTH: 43  
 133 <212> TYPE: DNA  
 134 <213> ORGANISM: Bacillus subtilis  
 136 <400> SEQUENCE: 7  
 137 aaaagtacat atttcttcaa aggaaaaaag caaaagatgt ttt 43  
 140 <210> SEQ ID NO: 8

Same error

See item #9 or error summary sheet

Same error

RAW SEQUENCE LISTING                      DATE: 04/14/2006  
PATENT APPLICATION: US/10/523,729A              TIME: 10:25:12

Input Set : F:\Sequence Listing 10523729.txt  
Output Set: N:\CRF4\04142006\J523729A.raw

141 <211> LENGTH: 154  
142 <212> TYPE: DNA  
143 <213> ORGANISM: Bacillus subtilis  
145 <400> SEQUENCE: 8  
146 aaaagtacat atttcttcaa aggaaaaaag caaaagatgt ttttagctga aggaaaaatg        60  
148 aaaacgaaag ataaaaacag aggctgaaag ccatttttaa gcgtttttct tttcttggtg        120  
150 catcatttac aatacatata accgcaagga gagg                                        154  
153 <210> SEQ ID NO: 9  
154 <211> LENGTH: 166  
155 <212> TYPE: DNA  
156 <213> ORGANISM: Bacillus subtilis  
158 <400> SEQUENCE: 9  
159 aaaagtacat atttcttcaa aggaaaaaag caaaagatgt ttttagctga aggaaaaatg        60  
161 aaaacgaaag ataaaaacag aggctgaaag ccatttttaa gcgtttttct tttcttggtg        120  
163 catcatttac aatacatata accgcaagga gaggaggaat cgcata                        166

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/523,729A

DATE: 04/14/2006  
TIME: 10:25:13

Input Set : F:\Sequence Listing 10523729.txt  
Output Set: N:\CRF4\04142006\J523729A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 8,13,14,17,18,20

Seq#:5; N Pos. 6,11,12,13,21,26,27,30,31,33

VERIFICATION SUMMARY

DATE: 04/14/2006

PATENT APPLICATION: US/10/523,729A

TIME: 10:25:13

Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0

L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0